



TiO₂ sol-gel paint and its preparation and application

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Abstract of CN1312337

The present invention discloses a kind of TiO₂ col-gel paint, its preparation method and application. The sol composition mainly contains (wt%) 3%-50% of titanate, 5%-95% of ethyl alcohol, 1%-20% of ethanolamine compound and 1%-20% of water. The above-mentioned materials are mixed to obtain the invented sol, and a nanometer-level TiO₂ film formed on the matrix surface, of said sol. The glass, ceramic, metal and composite metal material plated with said sol possess strong oxidation degradation property, it can decompose the harmful organic substance loved on it under the irradiation of UV light so as to make the above-mentioned materials possess self-cleaning property. Said invention mainly is used in the fields of building, decoration and tableware, etc.

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